#### Work Order ID 70176



Page 1

Insp.

Stamp

Monday, May 30, 2011 2:39:13 PM Item ID: D3391-023 Accept Setup Start Revision ID: Stop Item Name: Mid Tube Assembly **Start Date:** 5/31/2011 Start Qty: 1.00 **Cust Item ID:** Required Date: 6/10/2011 **Req'd Qty:** 1.00 **Customer:** Reference: Run Start Date: 11-05-30 Process Plan: M Tooling: Approvals: Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID Operation Set Up/ Tool ID Tool # Plan Reject Accept Reject Work Center ID Description **Run Hours** Code **Qty Qty** Number Draw Nbr **Revision Nbr** D3391 Rev H 100 0.00 Skidtubes Skidtubes 0.00 Memo Skidtubes 1-Cut tube to finish length as per Dwg D3391 2-Identify as D3391-023 3-Drill pilot holes using DT8796 (Do not drill "B" holes) and drill only 1 fwd saddle hole on one side only as per Dwg D3391 4-Open saddles and GHW holes to Ø0.375" exept for fwd saddle hole of detail 5-Remove .030" from Fwd indexing Ridge as per Dwg D3391 6-Remove indexing ridge on Fwd & Aft end of skidtube as per Dwg D3391

8-Drill #30 pilot holes using wearplate Jig DT8217 Identify Ø0.250" holes with

9-Open wearplate holes of D3391-023 assembly detail section G-G to Ø0.250" (14 holes) as per Dwg D3391 and 2 holes in section Detail "J", do not open

10-Open wearplate holes of D3391-023 assembly detail section H-H to

(20 holes) as per Dwg D3391

7-Deburr

Ø0.297"

paint marker,

wearplate holes of section "J"

	•	•						
W/O:				WORK ORDER C	HANGES			
DATE	STEP	PR	OCEDURE	CHANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	<b>S</b>							
								A Marie
Part No		PAR #:						
	Re	esolution:	Disp	osition:	QA: N/C Clo	sed:	Date: _	
NCR:			WORK	ORDER NON-CONF	ORMANCE (NCR)		4	
DATE	CTED	Description of NC		Corrective Action		Verification	Approval	Approval
DATE	STEP	Section A	Initia Chief		iption Sign & Date	Section C	Chief Eng	QC Inspector
							4;	
				;		,		
		· · · · · · · · · · · · · · · · · · ·						

NOTE: Date & initial all entries

Page 2

Work(Urd	ler ID 70	)176
Monday; May	30, 2011 2:39	):13 PM
Item ID:	D3391-023	
Revision ID:	-	
Item Name:	Mid Tube As	sembly
Start Date:	5/31/2011	Start
Required Date	: 6/10/2011	Req'
Reference:	· .	
Approvals:	Process Pl	an:
	, 6c:	
Sequence ID/		Opera
Work Center !	D.	Descr

Accept



Setup Start





**Cust Item ID:** 

**Customer:** 

Process Plan:	

**Tooling:** SPC (Y/N): Date:

Date:

Start Run

Stop



Operation Description

Start Qty: 1.00

Req'd Oty: 1.00

Set Up/ **Run Hours**  Tool ID

Tool # Plan

Accept Qty Code

Reject Qty

Reject Number Stamp

Insp.

11-Open .375" holes to .438" \*\*\*do not open fwd saddle holes\*\*\*

12-Locate D3391-021 in D3391-023 at 9.00" (see view z-z)

13- Transfer drill one fwd saddle hole only to .188" dia, transfer drill all remaining fwd saddle holes using DT 8149 locating from previusly drill .188" dia hole, using t-pins and clicos to ensure perfect allingment, open up previusly tranfer drilled pilot holes in D3391-023/-021 to 0.438" dia. in D3391-021

14- Transfer drill 2 wearplate holes into D3391-021 using DT8217, locating from two previusly drilled holes, drill remaining wearplate holes into D3391-021.

15- Locating from two fwd wearplate holes drilol remaining 6 wearplte holes in D3391-021 using DT8937

16- Open 2 fwd wearplate holes in D3391-023 to .250" dia.

17- counterbore two aft wearplate holes in D3391-021 as per dwg

18- Open 12 wearplate holes in D3391-021 to 0.297" dia.

19-Deburr and blow out all chips from inside tube

Dart	Aer	ospa	ice	Ltd
------	-----	------	-----	-----

				1							
W/O:				V	ORK ORDER CHANGES	<b>S</b>					
DATE	STEP	PRO	CEDUR	Cł	IANGE	Ву	C	Date	Qty	Approvai Chief Eng / Prod Mgr	Approval QC Inspector
									,		*
										·	
											, , , , <u>, , , , , , , , , , , , , , , </u>
Part No		PAR #:									
	R	esolution:	Disp	osit	ion:	QA: N/C	Close	ed:		Date: _	
NCR:			WORK	DR	DER NON-CONFORMAN	<u> </u>	R)				*
DATE	DATE STEP Description of NC Section A		Initi Chief (		Corrective Action Section E Action Description Chief Eng	Sigr Da		Verific Section		Approval Chief Eng	Approval QC Inspector
										. *	**
										486	W
	gir.'										
	1.00		i i								1

<sup>→</sup> H:\fFOĤMS\Quality Assurance\approved QA\NCRWO RevE

#### · Work Order ID 70176

Monday, May 30, 2011 2:39:13 PM



Page 3

Item ID:

D3391-023

Accept

Setup Start

Stop

Start

**Revision ID:** 

Item Name:

Mid Tube Assembly

**Start Date:** 5/31/2011 **Required Date: 6/10/2011** 

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Tool # Plan

Code

Stop

Run

Date: \_\_\_\_\_

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

**Tool ID** 

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Sequence ID/ **Work Center ID** 

110

Quality Control

Operation **Description** 

QC5- Inspect part completeness to step on W/O

O Mobile

120

HandFinish Hand Finishing

Chemical Conversion Coat per QSI005 4.1

0.00

Memo

Memo

0.00

130

Quality Control

QC3- Inspect Part Finish

0.00

Memo

0.00

# Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Qty

Part No:	- <u>10 - 40 - 11 - 1</u>	PAR #:	Faul	Category:	NCR: Yes No DQA:	Date:
· .	Resolution:	NA. 90	Disp	osition:	QA: N/C Closed:	Date:

WORK DODED NON CONFORMANCE (NOD)

Approval
Chief Eng /
Prod Mgr

Approval QC Inspector

NCR: WORK ORD		ORK ORDER NON-CONFORMANCE (NCR)							
	T	Description of NC			Corrective Action Section B		Verification	Annroval	Annroyal
DATE STEP Description of NC Section A		<b>initi</b> Chief (		Action Description  Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto	

NOTE: Date & initial all entries



Page 4

Monday, May 30, 2011 2:39:13 PM Item ID: D3391-023

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

Mid Tube Assembly

Start Date: 5/31/2011 **Required Date: 6/10/2011** 

Start Otv: 1.00

Req'd Oty: 1.00

**Cust Item ID:** 

Customer:

Reference:

An	prov	als
$\alpha$	DIUY	aıs.

Process Plan: Date:

Tooling:

Date:

Run Start



QC:

Date: \_\_\_\_\_

SPC (Y/N):

Date:

Stop



Sequence ID/ **Work Center ID** 

140

Skidtubes

Skidtubes

Operation Description

Set Up/ Run Hours Tool ID

Tool # Plan

Code

Accept Oty

Reject Otv

Reject Number Stamp

Insp.

Skidtubes

Memo

1-Open float bag holes as per dwg

2-C'sink float bag holes as per dwg

3- Prepare tube for welding

4-Bond web in place as per Dwg D3391 & QSI 015.

Adhere for 12 hours)

A/R Sikaflex exp:

0.00

0.00

150



Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

160



Skidtubes

Skidtubes

Skidtubes

0.00

0.00

1-Weld crossbolt spacer as per dwg D3391 & OSI 004

2-grind weld flush

Dart	Aeros	pace 1	Ltd
------	-------	--------	-----

		— - <del></del>									
W/O:				W	ORK ORDER CHANG	ES					
DATE	STEP	PR	OCEDURE	CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					,				1		·
Part No		PAR #:									
	Re	esolution:	Disp	ositic	n:	_ QA:	N/C Clo	sed:		Date: _	
NCR:			WORK	ORD	ER NON-CONFORMA	ANCE	(NCR	•			
DATE	STEP	Description of NC	Initi	al le	Corrective Action Section Action Description	on B	Sign &	Verific		Approval	Approval
		Section A	Chief		Chief Eng		Date	Secti	on C	Chief Eng	QC Inspector
						:			·		
			·								
									-		

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### ·Work Order ID 70176

Monday, May 30, 2011 2:39:13 PM



Page 5

Item ID:

D3391-023

Accept

Setup Start

Stop



Revision ID:

Item Name:

Mid Tube Assembly

**Start Date:** 

5/31/2011

**Start Oty:** 1.00

**Required Date: 6/10/2011** 

Rea'd Otv: 1.00



**Cust Item ID:** 

**Customer:** 

Tool ID

Reference:

Approvals:

Process Plan:

Memo

Date:

Tooling:

Date:

Date:

Run



Sequence ID/

Work Center ID

OC:

Date:

**SPC (Y/N):** 

Set Un/

Tool # Plan

Code

Accept Qty

Reject Reject **Qty** Number

Start

Stop

Insp. Stamp

170

Operation Description

OC10- Inspect visual per QSI004- ground welds

**Run Hours** 

0.00

Quality Control

180

OC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

0.00

185

HandFinish

Hand Finishing

Pressure Wash per QSI005 4.3

Memo

0.00

Memo

0.00

AND REALODINE AS PER PAR09-043

X & M. f. 11/06/08

	<b>Dart</b>	Aero:	space	Ltd
--	-------------	-------	-------	-----

		— - <del></del> -	1							
W/O:				WO	RK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE	CHAI	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
<u> </u>										
4										
Part No	:	PAR #:	Fault	Categ	jory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
		esolution:	1							
NCR:			WORK D	RDE	R NON-CONFORMAN	NCE (NC	R)			
DATE	STEP	Description of NC			Corrective Action Section		Verifi	cation	Approval	Approval
DAIL	JOIL!	Section A	Initial Chief En		Action Description Chief Eng	Sign Dat		ion C	Chief Eng	QC Inspector
								-		

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

·Work Ord Monday, May 3											1200	Page
Item ID: Revision ID:	D3391-023			Accept					Setup	Star		
Item Name: Start Date: Required Date Reference:	Mid Tube Ass 5/31/2011 :: 6/10/2011	Start Qty: 1.00 Req'd Qty: 1.00			Cust Item I Customer:	D:				Stop		
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):		ate:			Run	Star Stop		
Sequence ID/ Work Center I 190 Powdercoat Powder Coating	a 64	Operation Description White Gloss(Ref:4.3.5.1)  Memo START TIM OVEN TEM FINISH TIM	11 - 00 3 PERATURE: 3	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accep Qty	t Re Qt	ject y	Reject Number	Insp. Stamp

200

QC

Quality Control

QC3- Inspect Part Finish

Memo

0.00

0.00

Page 6

Dart .	Aeros	pace	Ltd
--------	-------	------	-----

W/O:				W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURI	CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
:											
										· · · · · · · · · · · · · · · · · · ·	
Part No	:	PAR #:	Faul	t Ca	egory:	_ NCF	R: Yes I	lo DQ	<b>A</b> :	_ Date: _	<i>i</i> -
	R	esolution:	Di <u>s</u> p	osit	on:	_ QA:	N/C Clo	sed:		Date:	
NCR:			WORK	OR	DER NON-CONFORMA	NCE	(NCR)	)			
DATE	STEP	Description of NC	Initi	اد	Corrective Action Section	on B	Sign &	Verific		Approval	Approval
		Section A	Chief		Action Description Chief Eng		Date	Section	on C	Chief Eng	QC Inspector
									ļ		
						,					
								-	"		
1	1	l .	1 1					1			ı

<sup>、</sup>H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### ·Work Order ID 70176

Monday, May 30, 2011 2:39:13 PM



Page 7

Item ID:

D3391-023

Accept

Setup Start

Stop

Stop

**Revision ID:** 

Start Date:

Item Name:

Mid Tube Assembly

5/31/2011

Start Otv: 1.00

Rea'd Otv: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

**Approvals:** 

Date: Tooling:

Date:

Date:

Run Start



**Required Date: 6/10/2011** 

OC:

Process Plan:

Date: \_\_\_\_\_

SPC (Y/N):

Set Up/

Run Hours

Tool ID

Tool # Plan

Code

Accept Oty

Reject Qty

Reject Number

Insp. Stamp

Work Center ID

210

Sequence ID/

Skidtubes Skidtubes

Skidtubes

Memo

Operation

Description

0.00

0.00

insert D3391-021 into D3391-23

2- insert T-pins into first and third fwd saddle holes

3-ON FIRST SIDE ONLY drill out 2nd and forth fwd saddles holes to 0.500" as per DSI 9364

4-remove T-pins and locate DT9415 from first and third crossbolt hole using Tpins and clekos

5-ON 2ND SIDE ONLY ream out 2nd and forth saddle hole to 0.499". Remove DT9415

deburr, re-alodine and blow out chips

QC5- Inspect part completeness to step on W/O

J- press fit D3591-1 spacers using DT9416 starting from 0.500" side

220

QC

Quality Control

0.00

Sulselis

Memo

0.00

## **Dart Aerospace Ltd** W/O: **WORK ORDER CHANGES Approval Approval** DATE STEP PROCEDURE CHANGE Ву Qty Date Chief Eng / QC Inspector Prod Mgr Part No: \_\_\_\_\_\_ PAR #: \_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_ Date: \_\_\_ Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		\	WORK	DRI	DER NON-CONFORMANC	E (NCR)			
		Description of NC		<b>†</b>	Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Init Chief		Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
		·							
ž·									•
• 1									

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Work	Order	ID	70176
7 1 U 1 1 2	Oluci	11/	/ / / / / / /

Monday, May 30, 2011 2:39:13 PM



Page 8

Item ID:

D3391-023

Accept



Setup Start

Stop



**Revision ID:** 

Item Name: Mid Tube Assembly

**Start Date:** 5/31/2011 Required Date: 6/10/2011

Start Qty: 1.00

Req'd Oty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

**Tool ID** 

Code

Start Stop



Date:

**SPC (Y/N):** 

Set Up/

Date:

Tool # Plan

Reject

Qty

Run

Reject Number

Insp. Stamp

Work Center ID 230

Sequence ID/

HandFinish

Hand Finishing

Operation **Description** 

HandFinishing

Memo

Install Inserts as per Dwg

**Run Hours** 0.00

0.00

Accept

Qty

240

Quality Control

QC5- Inspect part completeness to step on W/O

& ulocaliz

Memo

250

Packaging

Packaging

Identify as per dwg & Stock Location: \_ W O

Memo

0.00 D412-742-043/1368646 1 6 Mulaclos

W/O:			-	W	ORK ORDER CHANGE	S					
DATE	STEP	PRO	OCEDURE	СН	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		p									<b>.</b> .
					۵	,					
Part No	•	PAR #:	Faul	t Cat	egory:	NCF	R: Yes N	o <b>DQ</b>	<b>A:</b>	Date:	
	R	esolution:	Disp	ositi	on:	QA:	N/C Clos	sed:		Date:	
NCR:			WORK	ORI	DER NON-CONFORMA	NCE	(NCR)				
DATE	STEP	Description of NC			Corrective Action Section	n B	Olam B	Verific	ation	Approval	Approval
		Section A	Initia Chief E		Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
	-										
1	1	1		- 1				1		ŧ	ı

<sup>、</sup>H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 70176

Monday, May 30, 2011 2:39:13 PM



Page 9

Item ID:

D3391-023

Accept



Setup Start

Stop

Start

Stop



**Revision ID:** 

Item Name: Start Date:

Mid Tube Assembly

5/31/2011

Start Oty: 1.00

Reg'd Otv: 1.00



**Cust Item ID:** 

Customer:

Tool ID

Reference:

Required Date: 6/10/2011

Approvals:

Process Plan:

Operation

Description

Date:

Date: Tooling:

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

Date:

Tool # Plan

Accept Code Oty

Reject Oty

Run

Reject Number

Insp. Stamp

260

Sequence ID/

Work Center ID

0.00

0.00

Memo

OC21- Final Inspection - Work Order Release

Quality Control

	•		•	l							
W/O:			٠.,	٧	ORK ORDER CHANGES	3					
DATE	STEP	PR	OCEDURE	CH	IANGE	Ву		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					,						
		,	····	_					`		
Part No	:	PAR #:	Faul	t Ca	tegory:	NCR: Ye	s N	o <b>DQ</b>	٨:	Date:	
	R				ion:			ed:		Date:	
NCR:			WORK	OR	DER NON-CONFORMAN	CE (N	CR)				
DATE	STEP	Description of NC			Corrective Action Section I			Verific	ation	Approval	Approval
DAIL	SIEP	Section A	initi Chief		Action Description Chief Eng	Sig Da		Section		Chief Eng	QC Inspector
	:										
										) (*) **********************************	
										*	٨

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QAWCRWO RevE

#### **Picklist Print**

Monday, May 30, 2011 2:39:06 PM

Work Order ID: 70176

D3391-023

Parent Item Name: Mid Tube Assembly



Start Date: 5/31/2011

Start Oty: 1.00

Required Date: 6/10/2011

Page 1

Required Oty: 1.00

**Comments:** 

Parent Item:

IPP A□05.10.20□New Issue□

IPP B□06.02.10□ECN773 dwg rev.D

KJ/EC□  $EC\Box$ 

IPP C 07.03.20 rev F dwg

EC

IPP D 07.03.28 re-format

EC EC

IPP E 07.10.31 ecn 1053P

IPP Rev:F ECN 1056 07-11-13 DD verified by: EC

IPP Rev:G 08-09-08 new process (ecn 08-510) DD verified by:EC

IPP Rev:H 08-09-10 revH as per dwg DD verified by:EC

IPP Rev: I 08-11-13 Removed steps per w/o, QC KJ verified by: ec IPP

Rev:J add in seg 140 expire date &b# sikaflex DD 10.02.17 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2500-1-100  Skidtube Extrusion		Manufactured	No			100	Each	88.0000		1		,	
				Location		Loc C	<u>Qtv</u>	Loc Code					
					37065 50251		88 13 75	-	_ _	1	- -	面	1/06/02
D3391-021  Fwd Tube Assembly		Manufactured	No	B	69210	100	Each	0.0000				1-6-	
D3389-1		Manufactured	No			140	Each	3.0000		1			

Location LG

68999

Loc Qty

Loc Code

				1					,		•	`
Dart Ae	rospace	e Ltd										
W/O:				W	ORK ORDER C	HANGE	S					
DATE	STEP		PROCEDURI	<del>                                     </del>				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					-							
												-
Part No	:	PAR #:	Faul	t Cate	gory:		NCR	: Yes	No DQ	\ A:	Date:	
	R	esolution:	Disp	ositio	n:		QA:	N/C CI	osed:		Date: _	
NCR:			WORK	ORD	ER NON-CON	FORMAN	ICE	(NCF	()		, , , , , , , , , , , , , , , , , , , ,	
DATE	STEP	Description of NC Section A	Initi	al	Corrective Action Action Desc		В	Sign &	Verific		Approval	Approval
		Section A	Chief		Chief Er			Date	Secti	on C	Chief Eng	QC Inspector

<sup>,</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### **Picklist Print**

Monday, May 30, 2011 2:39:06 PM

Page 2

Work Order ID: 70176

Parent Item:

D3391-023

Parent Item Name: Mid Tube Assembly



Location

LG

ST068

**Start Date: 5/31/2011** 

**Required Date:** 6/10/2011

Start Oty: 1.00

Required Otv: 1.00

D3681-1

Spacer

Manufactured Nο 160

Each

32.0000

Loc Code

5

D3591-1

Bushing

Insert

Manufactured No

68958 69516

210

Loc Otv

30 Each

32 2

43.0000

ALS4-1032-130 Purchased

No

Location Loc Qty 43 57350 6 66147 37 230 Each

2,232,000

Loc Code

20

20

80100/n lle

Location Loc Oty ST281 242 117331 242 ST282 1990 117717 1990

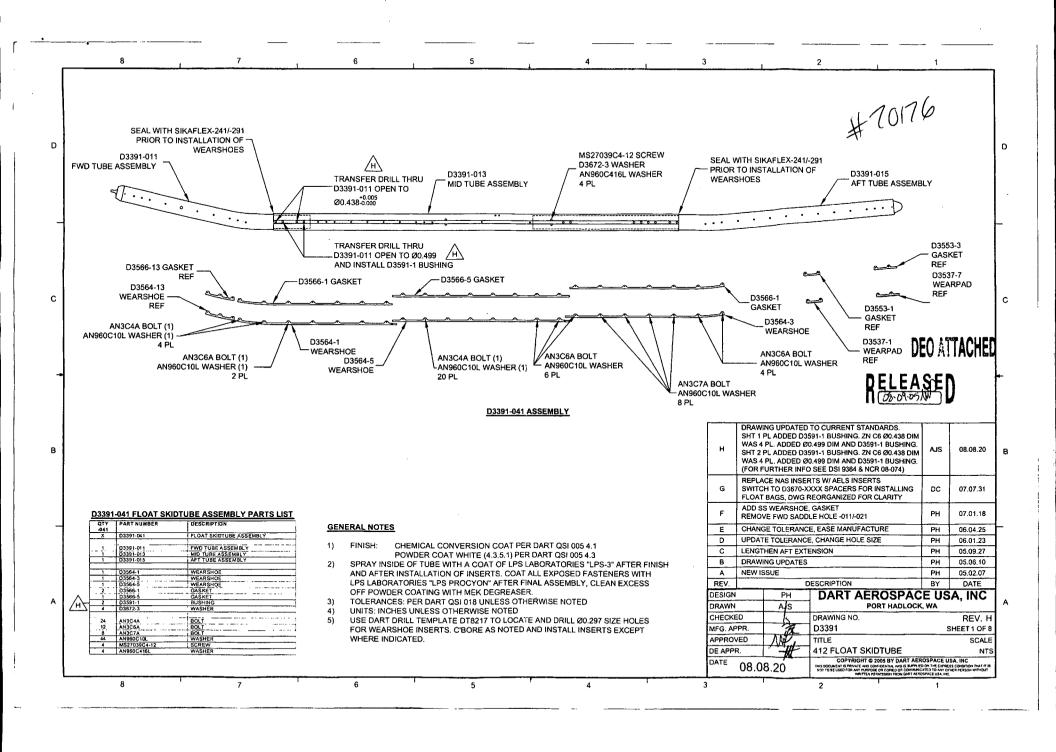
Loc Code

VW

Dart Aerospace Lt
-------------------

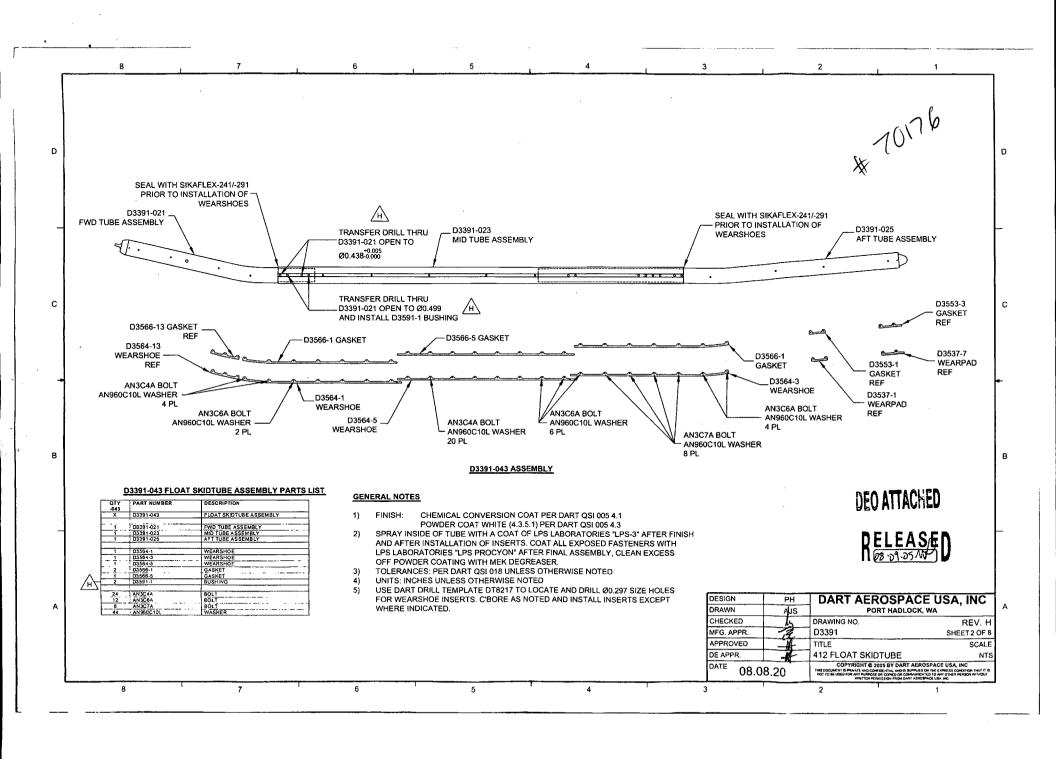
W/O:				٧	ORK ORDER CHANGES								
DATE	STEP	PRO	CEDUR	E CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
' i													
								:		; 			
									· · · · · · · · · · · · · · · · · · ·	٠.			
Part No	Part No: PAR #: Fa				tegory:N	CR: Yes	No I	DQA:	_ Date: _				
	WODE				sition: QA: N/C Closed: Date:								
NCR: WORK			OR	DER NON-CONFORMANC	E (NC	R)							
DATE	STEP	<b>Description of NC</b> Section A	Initi	al	Corrective Action Section B Action Description	Sign		rification Section C	Approval Chief Eng	Approval QC inspector			
			Chief	Eng	Chief Eng	Date	•						
					i e		1						
1							-	•					
		·											
		·											

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



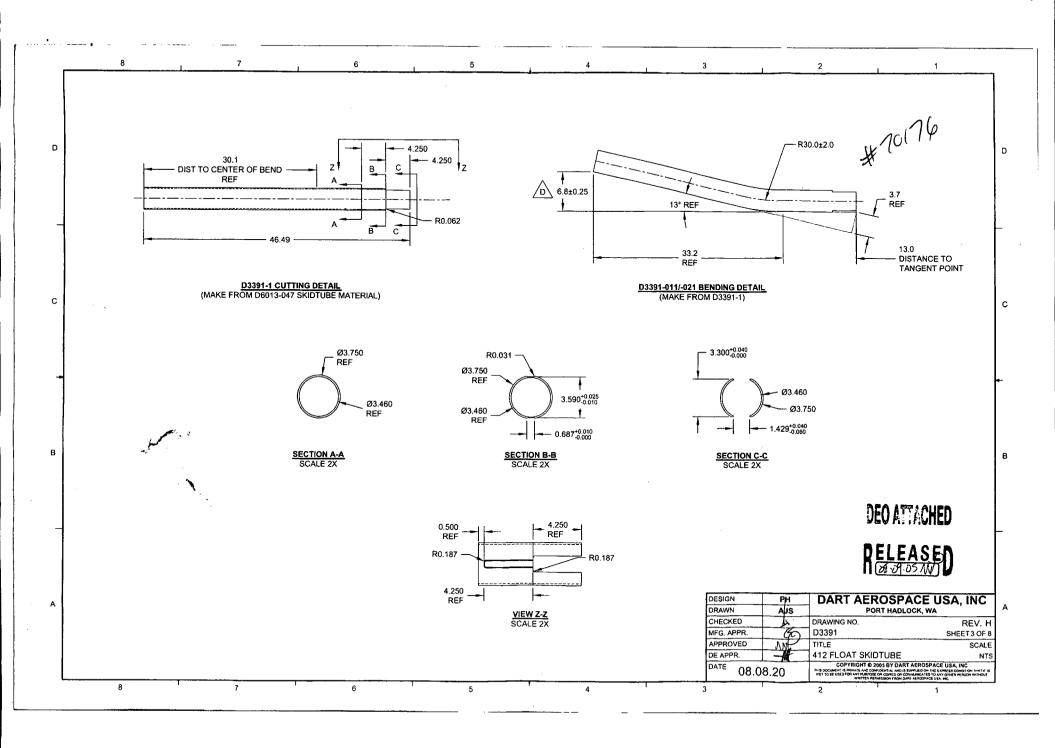
<b>Dart Aeros</b>	space Ltd
-------------------	-----------

<b>-</b> 411710	oopas.	<i></i>												
W/O:	N/O:				WORK ORDER CHANGES									
DATE	STEP	PRO	CEDURI	CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
								<u> </u>						
Part No	Part No: PAR #:			t Ca	tegory: NO	CR: Yes	No DQ	A:	Date: _					
			Disp	osit	ion: Q	QA: N/C Closed: Date								
NCR:			VORK	OR	DER NON-CONFORMANC	E (NCI	₹)							
DATE	STEP	Description of NC			Corrective Action Section B	Cimm	Verific	cation	Approval	Approval				
	J	Section A	Initi Chief		Action Description Chief Eng	Sign Date		on C	Chief Eng	QC Inspector				
									, et					
								·						
i.										as en				
١.	1	1	1 1		1	1	H		I	l .				



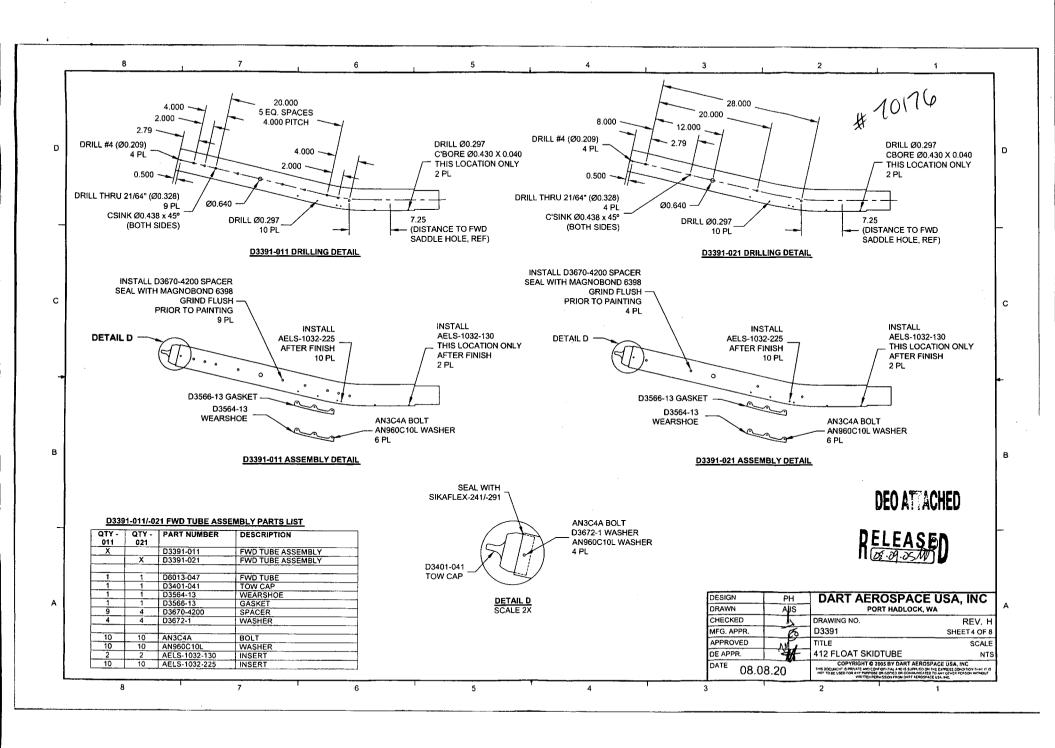
Dail Ac	OSPace	s Lta											
W/O:				WORK ORDER CHANGES									
DATE	STEP		PROCEDUR	CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
					i		İ	<b>!</b>					
			·										
Part No	):	PAR #:	Faul	t Category:	NCR: Y	es No <b>DQ</b>	A:	Date:					
	В	Resolution:	Disn	osition:	QA: N/C	Closed:		Date:					

NCR:		,	work	RK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		C	Corrective Action Section B		Verification	Approval	Approval		
DATE	STEP	Section A	Initia Chief Er		Action Description  Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector		
•											
Frank.											
1											



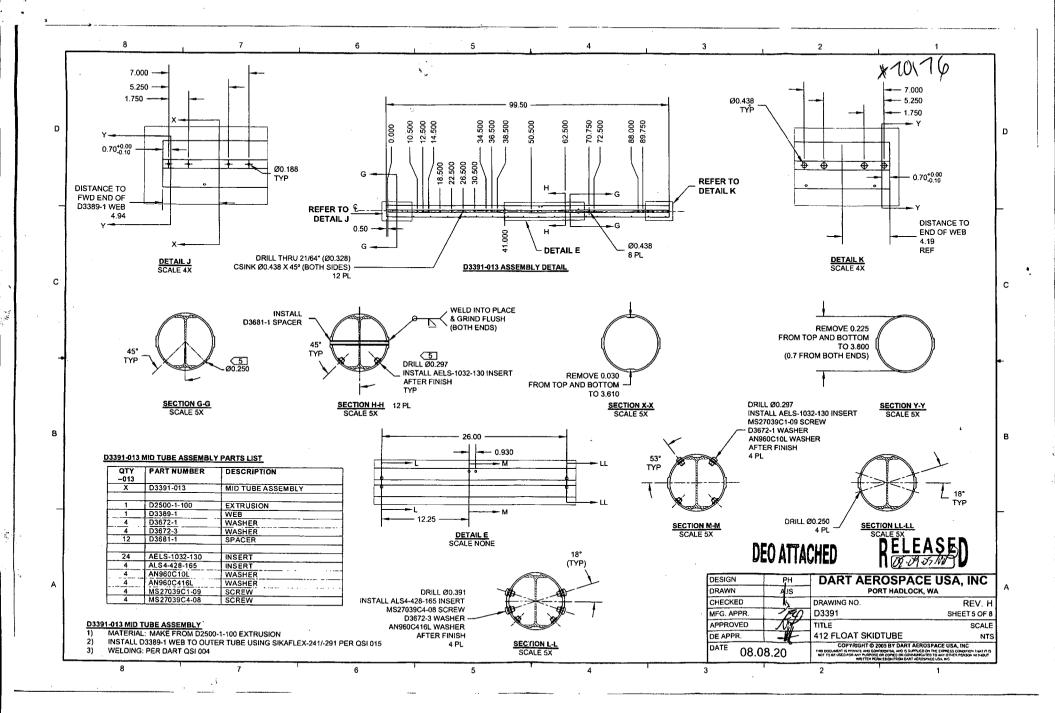
W/O:				W	ORK ORDER CHANGI	ES					
DATE	STEP	PRO	CEDUR	E CH	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
										Prod Wgr	,
		·									
	:										
Part No	:	PAR #:	Fau	t Cat	egory:	NCF	: Yes 1	lo <b>DQ</b>	A:	Date:	
	Resolution: D			ositi	on:	_ QA:	N/C Clo	sed:		Date: _	
NCR:		V	WORK	ORE	ER NON-CONFORMA	NCE	(NCR)	)			
DATE	STEP	Description of NC		. 1	Corrective Action Section	on B	Sign &		cation	Approval	Approval
DAIL	0121	Section A	Initi Chief		Action Description Chief Eng		Date	Sect	ion C	Chief Eng	QC Inspector
			t i								
								1			

NOTE: Date & initial all entries



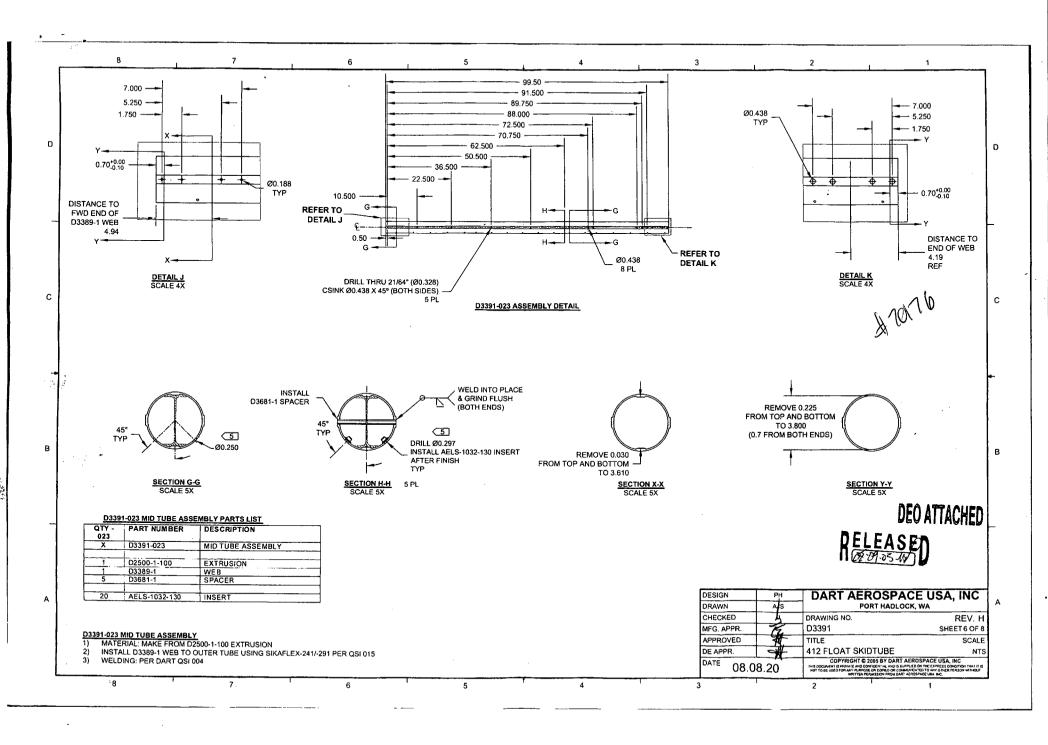
W/O:				٧	VORK ORDER CHANGES						
DATE	STEP	PROC	EDUR	E CH	IANGE	Ву	Da	te Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector	
		·									
		-									
									·		
Part No	•	PAR #:	_ Fau	t Ca	tegory: NC	CR: Yes	No	DQA:	_ Date: _		
					sition: QA: N/C Closed: Date:						
NCR:	NCR: WORK				DER NON-CONFORMANC	E (NC	R)			-	
DATE	STEP	Description of NC			Corrective Action Section B		V	erification	Approval	Approval	
DAIL	SIEP	Section A	Init Chief		Action Description Chief Eng	Sign Date	&	Section C	Chief Eng	QC Inspector	
						٠.					
		**************************************								3	

NOTE: Date & initial all entries



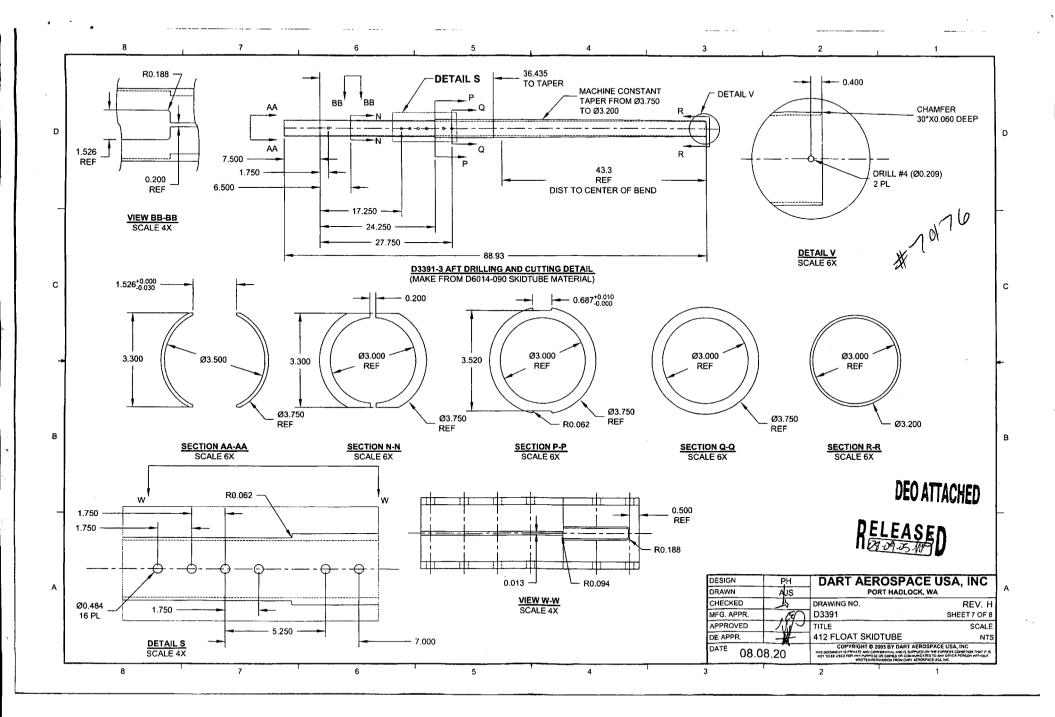
W/O:				WORK ORDER CHANG	ES					
DATE	STEP	PROCI	EDURE C	CHANGE		Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			:							
×										
Part No	•	PAR #:	Fault C	Category:	NCR:	Yes N	o <b>DQ</b>	A:	Date: _	
	WODI			sition:	_ QA: N	I/C Clos	sed:		Date: _	
NCR: WOR				RDER NON-CONFORMA	ANCE (	NCR)				÷
DATE	STEP	Description of NC Section A	initial Chief Eng	Corrective Action Secti Action Description Chief Eng		Sign & Section C				Approval QC Inspector
						÷				
				,				,		

NOTE: Date & initial all entries



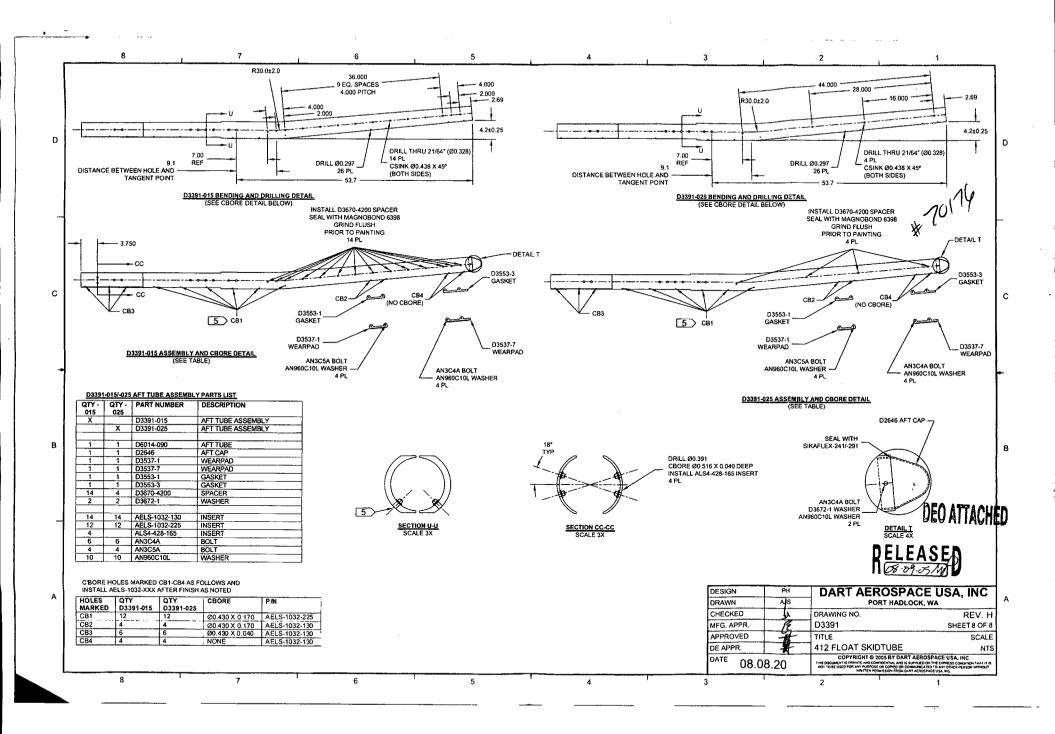
W/O:					ORDER CHANGES			,				
DATE	STEP	PRO	CEDUR	E CH		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
										i		
Part No	•	PAR #:	Fau	t Cat	NCR:	Yes	No <b>DQ</b>	<b>\</b> :	Date:			
				ositi	osition: QA: N/C Closed: Dat							
NCR:	NCR:		WORK	ORI	ON-CONFORMANCE	(NCR	)					
D.4.7.5	0750	Description of NC		ctive Action Section B	veri			ification Approval	Approval			
DATE	STEP	Section A	Init Chief		Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector		
										i i		
							į					
ì							ĺ					

NOTE: Date & initial all entries



W/O:				WO	RK ORDER CHANG	ES							
DATE	STEP	PRO	CEDURE	CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No	:	PAR #:	Faul	Categ	ory:	_ NCR	Yes N	lo <b>DQ</b>	<b>A</b> :	_ Date: _	<del></del>		
	WORK			osition	sition: Date: Date:								
NCR: WORK				ORDE	R NON-CONFORMA	ANCE	(NCR)						
DATE	STEP	Description of NC	Initia		Corrective Action Section Action Description		Sign &		cation		Approval		
		Section A	Chief		Chief Eng		Date	Sect	ion C	Chief Eng	QC Inspector		

NOTE: Date & initial all entries



W/O:				٧	<b>VORK ORDER CHANGI</b>	ES					
DATE	STEP	PROC	CEDUR	E CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		,									
										3	
Part No		PAR #:		1							
	Resolution: Dis									Date: _	
NCR: WORK				OR	DER NON-CONFORMA	NCE	(NCR				
DATE	STEP	Description of NC		Corrective Action Section B					cation	Approval	Approval
DAIL	SILF	Section A	Initi Chief		Action Description  Chief Eng		Sign & Date	Sect	ion C	Chief Eng	QC Inspector

DRAWING NO. TITLE		REV. H	ART AEROS	PACE USA, IN	NC D.E.O. NO.	SHEET NO.	SCALE		
D3391		412 FLOAT	SKIDTUBE		ENGINEER	RING ORDER	D3391-H-1	SHEET 1 OF, 1	NTS
DRAWN	G,	)	CHECKED	<u>l</u>	MFG. APPR.	V)	APPROVED MAD	DE APPR.	· · · · · · · · · · · · · · · · · · ·
DATE	09.09.	23	DATE	04.04.24	DATE OG	109/25	DATE 09/09/30	DATE 09/09/3	<u> </u>

#### PURPOSE:

LPS-3 IS NO LONGER USED DURING ASSEMBLY OF D3391-041/-043 SKIDTUBES.

#### CHANGE:

AMEND NOTE 2 OF D3391-041/-043 SKIDTUBE ASSEMBLIES (ZN A6-1, A6-2) AS FOLLOWS:

2) SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH-AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES."LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

DELEASED 2010 -02- 0 2

101/16

Dart Ae	rospac	e Ltd	• •	e.	هار و سر درد	george spth								· :
W/O:						wo	RK ORD	ER CHANG	GES				· .	J.
DATE	STEP			PROCE	EDUR	E CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector
								•						-
													. 15.0	*
		100 mg/s/100		¥				•	,		·		<i>₹</i>	
			,			ļ							4.	<u> </u>
•				Fạu	t Categ	Category: NCR: Yes No DQA:					<b>4:</b>	Date:		
				Disp	osition: QA: N/C Closed:						Date:			
NCR:		•	Ý	WC	ORK	ORDE	R NON-	CONFORM	ANCE	(NCR	)	. 1		
DATE	OTED	Desc	cription of NC			<u> </u>	Corrective		ction B		Verific	ation	Approval	Approva
DATE	- STEP		Section A		Init Chief			n Description Chief Eng		Sign & Date		on C.	Chief Eng	QC Inspecto
			<u>.</u>		•		i 10					e de la companya de		
	•	a 1,												
					_									
			·	يزو ه										, ,
											*			
*							,			, , , 4	1 14			

NO. \$250

# AWS D17.1.2001 QUALIFICATION TEST RECORD

Name: Box (au)	5///i	; H								
11000	1 - CEE			-						
Job number: 62677  Part number: $\lambda 339/-023$										
t die name v										
Description: 359/ Welding Process: Tig[X] Mig[]										
Base materiel:										
Current: AC[\(\sigma\)] DC[ ]										
	~~ <b>~</b> ~	T TTTTSTS #	TENTITIO ANTI	DECITE TC						
TES	ST KEQ	UIKEM	ENIS ANI	D RESULTS						
•										
Yrian ale		pass[/]	fail[]							
Visual:		pass[/]	fail[]							
Penetration:		pass[[]	1411[ ]							
UNACCEPTABLE		٠.								
C 1		pass[\frac{1}{2}]	fail[]	•						
Cracks:		pass[X]	fail[ ]							
Undercut:		pass[X]	fail[]							
Pin holes:		~	~ ~							
Overlap (cold lap)		pass[X]	fail[ ]							
Porosity (surface):		pass[X]	fail[ ]							
Coloration:		pass[X]	fail[]							
<i>!</i>	,									
a very bush	1	Date of T	est Coupon /	1.04.28						
Qualifier										
Welder Narday Ill	et_	_ Date of T	est Coupon/	1-04-28						
	,									

The above named individual is qualified in accordance with AWS D17.1.2001 to weld